

### ARG10666 anti-NDUFA1 antibody

Package: 50 μg Store at: -20°C

# Summary

Product Description	Rabbit Polyclonal antibody recognizes NDUFA1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Target Name	NDUFA1
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human NDUFA1. (ISGVDRYYVSKGLENID)
Conjugation	Un-conjugated
Alternate Names	MWFE; ZNF183; NADH-ubiquinone oxidoreductase MWFE subunit; CI-MWFE; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 1; Complex I-MWFE

### **Application Instructions**

Application table	Application	Dilution
	ICC/IF	0.5 - 1 μg/ml
	IHC-Fr	0.5 - 1 μg/ml
	IHC-P	2 - 5 μg/ml
	WB	0.1 - 0.5 μg/ml
Application Note	* The dilutions indicate recomme should be determined by the scie	ended starting dilutions and the optimal dilutions or concentrations entist.

## Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

# Bioinformation

Database linksGeneID: 4694 HumanGeneID: 54405 MouseSwiss-port # 015239 HumanSwiss-port # 015239 HumanSwiss-port # 035683 MouseGene SymbolNDUFA1Gene Full NameNADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDaBackgroundThe human NDUFA1 gene codes for an essential component of complex 1 of the respiratory chain, which transfers electrons from NADH to ubiquinone. It has been noted that the N-terminal hydropho winch transfers electrons from NADH to ubiquinone. It has been noted that the N-terminal hydropho winch cransfers deletrons from NADH to ubiquinone oxidoreductase complex at the inner mitochondrial membrane. However, the NDUFA1 peptide is one of about 31 components of the "hydrophobic" protein" (HP) fraction of complex I which is involved in proton translocation. Thus the NDUFA1 peptide may also participate in that function. [provided by RefSeq, Jul 2008]FunctionAccessory subunit of the mitochondrial membrane respiratory chain NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be uviquinone. [UniProt]Calculated Mw8 kDa		
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	Calculated Mw	8 kDa

#### Images



#### ARG10666 anti-NDUFA1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat heart tissue stained with ARG10666 anti-NDUFA1 antibody.



#### ARG10666 anti-NDUFA1 antibody WB image

Western blot: 1) Rat heart, 2) Rat liver, 3) Rat kidney, 4) Rat brain, and 5) Human HT1080 cell lysates stained with ARG10666 anti-NDUFA1 antibody.



#### ARG10666 anti-NDUFA1 antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat heart tissue stained with ARG10666 anti-NDUFA1 antibody.